9005-31-28
41380
ORIGINAL
(Rec)

NUS CORPORATION
999 WEST VALLEY ROAD
WAYNE, PENNSYLVANIA 19087
215-687-9510

July 18, 1990
T-585-7-0-73
68-01-7346

Mr. Gregory Ham
United States Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, Pennsylvania 19107

Dear Mr. Ham:

Attached please find one uncontrolled final copy of the site visit summary report for St. Elizabeth's Hospital, prepared under TDD No. F3-9005-31.

Please endorse below confirming that you have received the attached subject data and return the form to the above address.

Sincerely,

Garth Glenn/nmd
Garth Glenn
Regional Operations Manager,
FIT 3

GG/nmd

Attachments

Signature: GJ
Gregory Ham

Date: 7.30.90

9005-31-20

ORIGINAL
(Red)

R-585-7-0-30

SITE VISIT SUMMARY REPORT
FOR
ST. ELIZABETH'S HOSPITAL
PREPARED UNDER

TDD NO. F3-9005-31
EPA NO. DC-14
CONTRACT NO. 68-01-7346

FOR THE

HAZARDOUS SITE CONTROL DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

JULY 16, 1990

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY	REVIEWED BY	APPROVED BY
LINDA CIARLETTA PROJECT MANAGER	PAUL PERSING SECTION SUPERVISOR	ANDREW PREBOWITZ ASSISTANT MANAGER

1.0 FIELD TRIP REPORT

1.1 Summary

On Wednesday, June 27,1990, NUS FIT 3 members Linda Ciarletta, Janis Hottinger, Theresa Taggart, Kim Walters, Thomas Ferrie, and Eric Roland performed a site inspection of the St. Elizabeth's Hospital site in Washington, D.C. FIT 3 was accompanied by Richard Smith, of the Government of the District of Columbia Department of Public Works. Access to the site and permission to take photographs were granted by Mr. Smith. Weather conditions were sunny, with temperatures in the upper 80s.

Deviations from the Sampling Plan

- A soil sample could not be obtained from the southern end of the ravine between the two fill areas because this area was inaccessible.

- An additional soil sample was collected in a dry drainage ditch on the eastern side of the fill area to determine the extent of contaminant migration from the covered landfill.

- A subsurface soil sample was obtained in three of the four fill areas. Only one sample was collected from the recently closed fill area because of the area's relatively small size.

- Upstream and downstream aqueous and sediment samples were collected from a drainage stream that flowed into and through the landfill in order to determine the extent of contaminant migration. The aqueous samples were analyzed for volatile organics and metals only due to inadequate volume.

1.2 Persons Contacted

1.2.1 *Prior to Field Trip*

James McCreary
Site Investigation Officer
U.S. EPA
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, PA 19107
(215) 597-1105

Richard Smith
Chief
Solid Waste Disposal Division
Department of Public Works
Second North Place, Southeast
Washington, DC 20003
(202) 727-4821

1.2.1 Prior to Field Trip (continued)

Jay Jahangri
Department of Consumer Regulatory Affairs
614 H Street, Northwest
Room 519
Washington, DC 20001
(202) 783-3192

1.2.2 At the Site

Richard Smith
Chief
Solid Waste Disposal Division
Department of Public Works
Second North Place, Southeast
Washington, DC 20003
(202) 727-4821

Earl Delauder
I-95 Energy Resource Recovery Facility
County of Fairfax
9850 Lorton Road
Lorton, VA 22079
(703) 690-1703

1.2.3 Water Supply Well Information

All residents within a three-mile radius of the subject site utilize public supplies as a source of potable water. No home wells exist in the study area.

1.3 Site Observations

- The HNU was set on the 0 to 20 scale. The background reading was 0.2 ppm. No readings above background were recorded.

- The mini-alert was set on the X1 position; no readings above background were recorded.

- The landfill area was completely enclosed with a six-foot fence.

- Two gates were located along the northern dirt access road into the fill area; the southernmost gate was open and was within the fenced area of the site, and the northernmost gate was locked.

- Concrete abutments blocked vehicular traffic from the access road outside the locked gate.

- A well worn path was located outside the locked gate. The path went from the access road to Dunbar Road. Trash and beer bottles were scattered in the area between the path and the locked gate.

- Scattered areas of sparse vegetation were located at various points throughout three sections of the landfill. The oldest fill area was completely unvegetated and was covered with compressed milled asphalt.

- Parts of the oldest fill area are currently used as parking lots for hospital vehicles.

- The recently closed fill area was covered with a mixture of milled asphalt from road construction activities and compost from a sewage treatment plant.

- A steep-sided ravine was located between the eastern and western fill areas.

- A drainage stream flowed into the landfill from the south, through piping under the access road, and between the two southern fill areas in the steep-sided ravine. The stream exited from the northeastern side of the site and flowed approximately 100 feet into a culvert under Suitland Parkway.

- A blue drum was observed in the ravine near the location of sample S-1. The drum was lying on its side and was partially crushed.

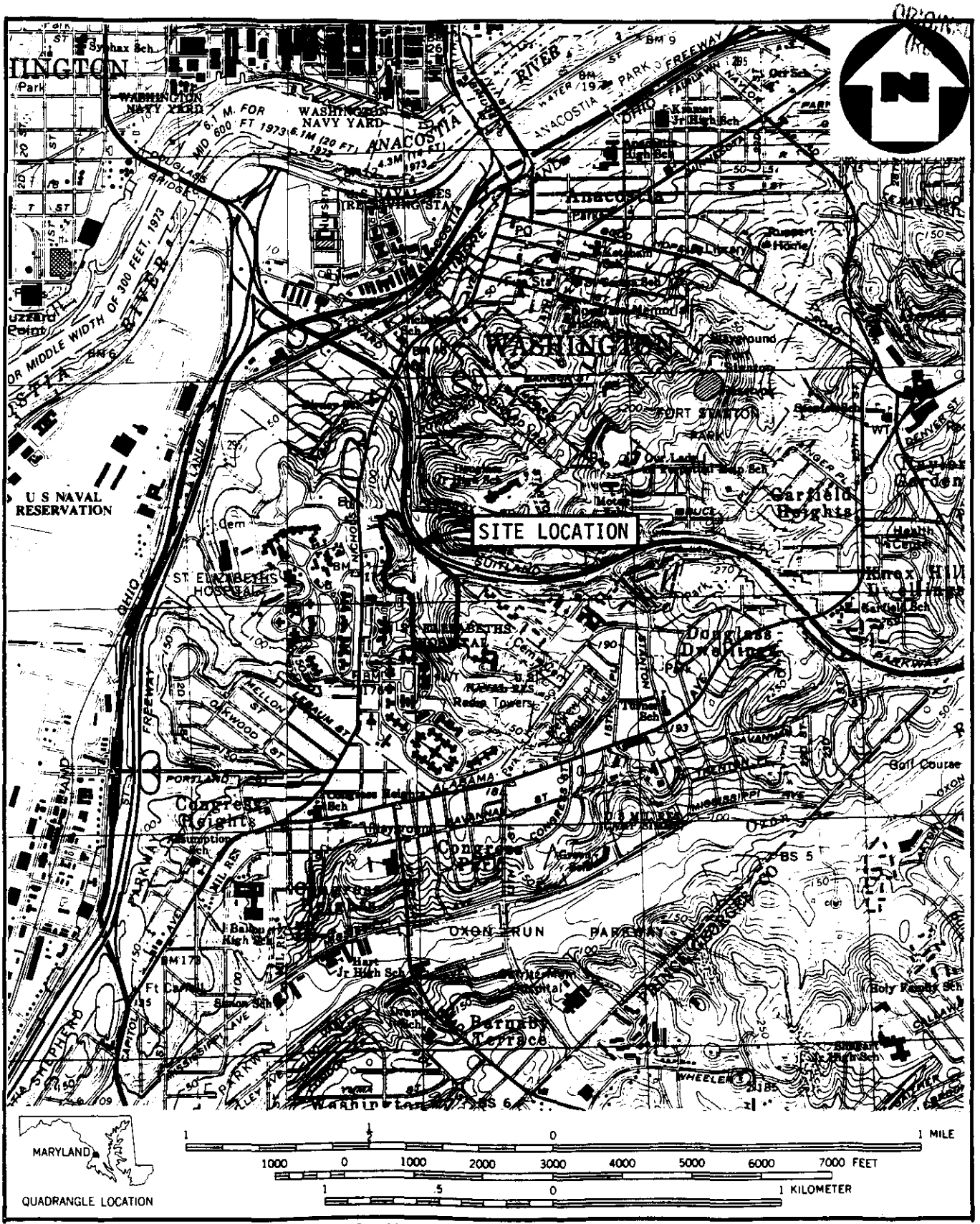
- A dry drainage ditch was observed on the eastern slope (30 percent slope) of the westernmost former fill area. The ditch contained a large amount of glass, metal, rubber, and other types of debris.

- The surface material at sample locations S-5/S-6, S-7, and S-8 was grayish in color, with a large amount of asphalt material and small rocks.

- Soil color changed at a depth of 12 inches at sample locations S-5/S-6 and S-7 and at a depth of 6 inches at sample location S-8.

- The drainage ditch and stream at sample location Sw2/Sd-2 were observed to contain metal waste, plastic bags, and other debris. A plastic bag with unidentifiable contents may have been medical in origin.

ATTACHMENT 1



SOURCE: (7.5 MINUTE SERIES) U.S.G.S. ALEXANDRIA, VA.-D.C.-MD. & ANACOSTIA, MD.-D.C. QUADS

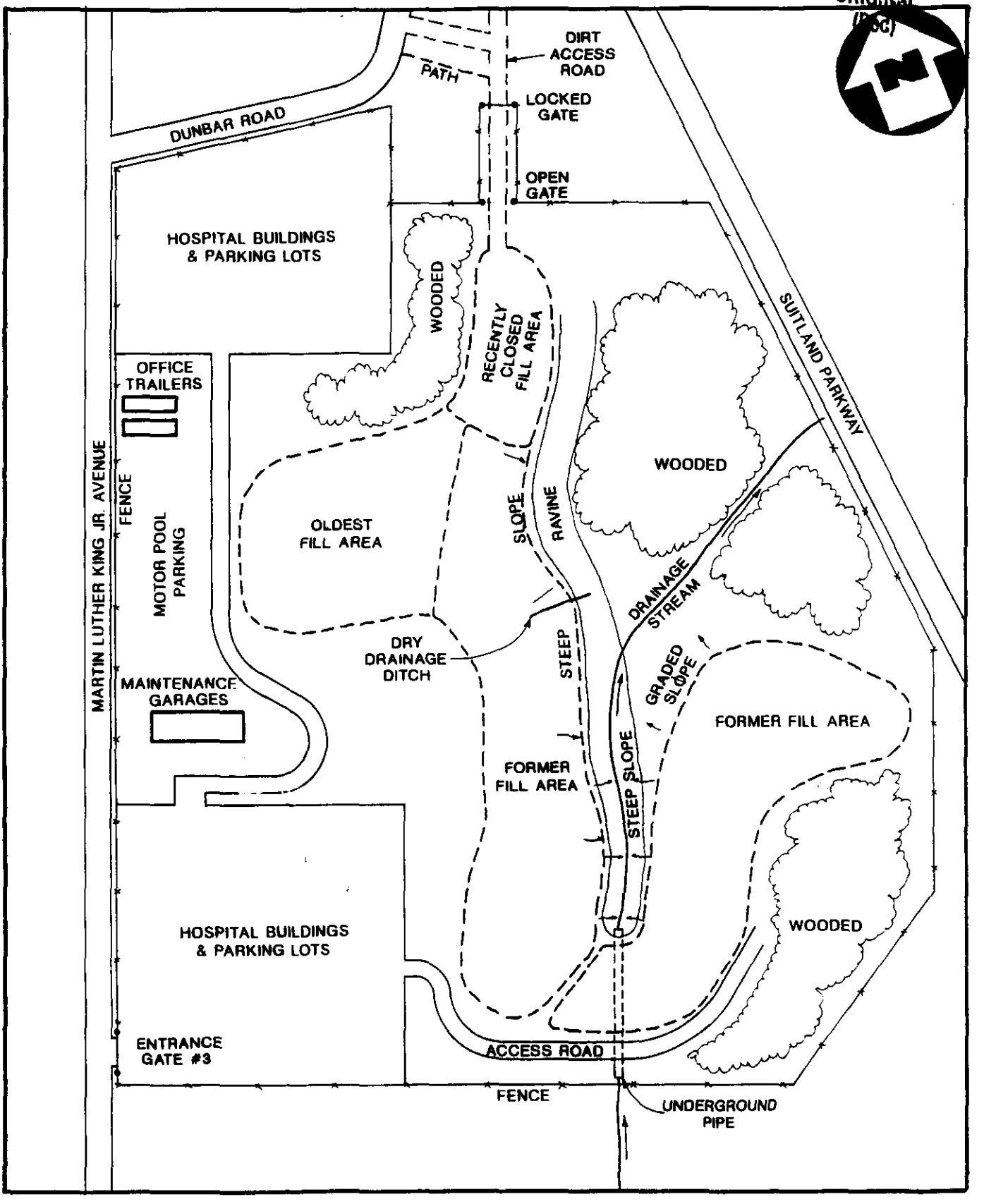
SITE LOCATION MAP

ST. ELIZABETHS HOSPITAL SITE, WASHINGTON, D.C.

SCALE 1: 24000

FIGURE

NUS CORPORATION



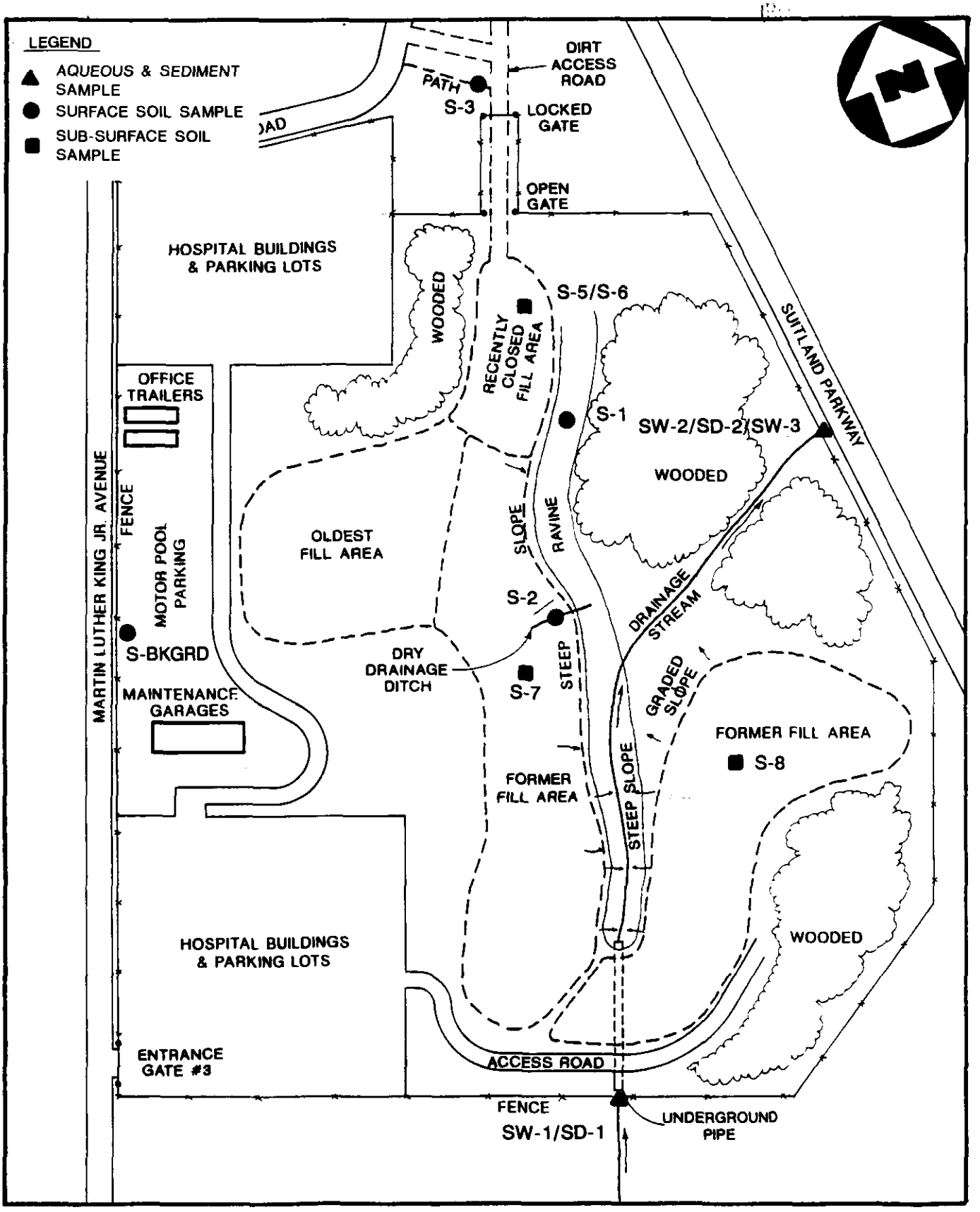
SITE SKETCH

FIGURE

ST. ELIZABETHS HOSPITAL SITE, WASHINGTON, D.C.

(NO SCALE)

NUS CORPORATION



SAMPLE LOCATION MAP

ST. ELIZABETHS HOSPITAL SITE, WASHINGTON, D.C.

(NO SCALE)

FIGURE

NUS CORPORATION

ATTACHMENT 2

TDD NUMBER F3-9005-31
EPA NUMBER DC-14

SAMPLE LOG

SITE NAME St Elizabeths Hospital

TRAFFIC REPORTS Organic	Inorganic	High Hazard	SAMPLE IDENTIFIER	PHASE	SAMPLE DESCRIPTION	SAMPLE LOCATION	TARGET USE	pH	FIELD MEASUREMENTS
CEN76	MCDX29		S-1	SOL	Surface soil Sandy loam light brown, no odor	In northern end of on-site ravine About 25 ft. upgradient from property fenceline	On-site Restricted access,	—	—
CEN77	MCDX30		S-2	SOL	surface soil dark brown lots of debris in soil	In on site drag drainage ditch Water tower was about 0.5 mile S 10° W of sample location	on-site restricted access		
CEN78	MCDX31		S-3	SOL	Composite surface soil medium brown, dry rocky; sandy odor/stain	Four locations from 5' to 40' from locked gate on western side of access road	Off-site open access		
CEN80	MCDX33		S-5	SOL	subsurface soil - 20" Dark brown w/clay Oily smell	Eastern post of open gate is about 25' N 70° W of sample location	on-site restricted access		
CEN81	MCDX34		S-6	SOL	Duplicate of S-5	same location as S-5	on-site restricted access		
CEN82	MCDT85		S-7	SOL	subsurface soil 18" Dark brown rocky+ sandy	Water tower is about 0.5 mile S 20° E of sample location	on-site restricted access		
CEN83	MCDT86		S-8	SOL	Subsurface soil 12" Dark brown Rocky+sandy	Hospital building with bell/spire on top is about 1 mile S 37° W of sample location	on-site restricted access		
CEN84	MCDT87		S-Back	SOL	surface soil brown silty, some clay	Telephone pole is 3 ft. N 88° W from sample location	on-site restricted access		
CEN85	—		Trip Blk	AQ	Aqueous blank associated with solid samples	Trip Blank	Trip Blank	—	—

ORIGINAL (Red)

TDD NUMBER F3-9005-31
EPA NUMBER DC-14

SAMPLE LOG

SITE NAME St. Elizabeth's Hospital

TRAFFIC REPORTS Organic	Inorganic	High Hazard	SAMPLE IDENTIFIER	PHASE	SAMPLE DESCRIPTION	SAMPLE LOCATION	TARGET USE	pH	FIELD MEASUREMENTS
CEN86	MCDT88		SW-1	AQ	Clear odorless	Taken from drainage stream upstream of landfill, approx. 100ft. southeast from bend in access road	On-site restricted access	6.0	255 umhos
CEN79	MCDX32		Sd-1	SOL	Light brown clay-like	same location as SW-1	On-site restricted access	—	—
CEN87	MCDT89		SW-2	AQ	Muddy, oily sheen, cloudy No odor	Taken from drainage stream downstream of landfill, 51ft. east of suitland Parkway	off-site, open access	5.6	5220 umhos
CEN88	MCDT90		Sd-2	SOL	Reddish, sandy, No rocks No odor	same location as SW-2	off-site, open access	—	—
CEN89	MCDT91		SW-3	AQ	Duplicate of SW-2	same location as SW-2	off-site, open access	5.6	5220 umhos
CEN90	MCDT92		Aq-Blk	AQ	Field Blank	Field Blank	Field Blank	3.7	1 umho

ORIGINAL (Red)